

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended November 11, 1961

Poliomyelitis — The declining trend of poliomyelitis since the peak in mid-September continued during the current week ending November 11 with reports of 29 cases, 22 paralytic. This is compared to 36 cases, 21 paralytic, reported during the previous week.

The table below compares reports during the past six weeks with those during corresponding weeks in previous years. The figures indicate the decidedly lower level of late seasonal reporting evident this year.

Six Week Totals (40th thru 45th Week) for Past Five Years

	1961	1960	1959	1958	1957
Paralytic	184	480	1134	821	410
Total	279	672	1521	1540	757

The cumulative totals for poliomyelitis through the 45th week for the past five years are shown below:

Polio (Cumulated Weekly) Through 45th Week

For Past Five Years

	1961	1960	1959	1958	1957
Paralytic	772	2053	5189	2681	1993
Total	1195	2962	7858	5358	5646

Only three States reported more than two cases: New York with seven cases, four paralytic; Michigan with three cases, all paralytic; and Wisconsin with three cases, two paralytic.

The New York cases included two nonparalytic reports from Onondaga County, delayed for laboratory con-

Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	45th Week			Cumulative						Approximate seasonal low point
	Ended Nov. 11, 1961	Ended Nov. 12, 1960	Median 1956-60	First 45 weeks			Since seasonal low week			
				1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
* Weekly incidence low or sporadic										
--- Data not available										
- Quantity zero										
Anthrax-----062	-	2	*	6	17	*	*	*	*	*
Botulism-----049.1	-	-	*	5	10	*	*	*	*	*
Brucellosis (undulant fever)-----044	13	11	14	511	678	707	*	*	*	*
Diphtheria-----055	13	22	23	498	648	725	189	303	346	July 1
Encephalitis, infectious-----082	27	54	34	1,460	1,682	1,872	1,460	1,682	1,872	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,042	701	280	64,032	33,748	16,942	11,215	8,059	2,905	Sept. 1
Malaria-----110-117	4	2	*	55	63	*	*	*	*	*
Measles-----065	2,283	1,739	1,739	397,136	410,828	457,885	11,508	10,780	11,936	Sept. 1
Meningitis, aseptic-----340 pt.	73	47	---	2,861	2,693	---	2,861	2,693	---	Jan. 1
Meningococcal infections-----057	29	36	53	1,858	1,911	2,163	343	373	416	Sept. 1
Poliomyelitis-----080	29	76	158	1,195	2,962	5,634	1,092	2,752	5,106	Apr. 1
Paralytic-----080.0,080.1	22	56	96	772	2,053	1,983	712	1,889	1,708	Apr. 1
Nonparalytic-----080.2	5	14	34	287	603	2,740	262	577	2,579	Apr. 1
Unspecified-----080.3	2	6	28	136	306	911	118	286	819	Apr. 1
Psittacosis-----096.2	2	1	*	56	88	*	*	*	*	*
Rabies in man-----094	-	-	*	3	2	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	5,525	4,618	---	274,007	264,282	---	54,796	---	---	Aug. 1
Typhoid fever-----040	10	12	20	716	734	927	602	603	747	Apr. 1
Typhus fever, endemic-----101	-	1	*	37	58	*	*	*	*	*
Rabies in animals-----	58	46	65	2,989	3,031	3,766	355	260	366	Oct. 1

firmation; one unspecified case from Otsego County; and four paralytic cases, one each from Albany, Franklin, Jefferson, and Otsego Counties. The Michigan cases are scattered throughout the State. Two Milwaukee County cases are included in the Wisconsin reports.

Hepatitis — There were 1,042 cases of hepatitis reported for the week ending November 11. This represents 70 fewer cases than had been reported in the preceding week.

EPIDEMIOLOGICAL REPORTS

Encephalitis Among Pheasants—Florida and Connecticut

There has been a striking absence this summer and fall of reports of epidemics of human arthropod-borne encephalitis. The only epidemics of arthropod-borne encephalitis to have occurred within the last several months have been among pheasants in Florida and Connecticut.

A report of an outbreak of what appeared to be arbovirus in pheasants in Brevard County, Florida was recently received from the State authorities. The farm involved kept many penned game birds including quail, wild turkeys, pheasants and chickens. All mortality, however, occurred in the pheasants. In the original 500 pheasants, a 35% mortality occurred from October 9 to October 19, 1961. A local veterinarian submitted several of the original sick and dead birds to the Department of Agriculture Diagnostic Laboratory at Kissimmee, Florida. A tentative diagnosis from pathological examinations indicated encephalitis. Serum neutralization tests indicated Eastern Equine Encephalitis. No indication of human illness was found and no horse cases were reported. Bloods from sick and normal pheasants, wild turkeys, wild birds, and small mammals have been collected; mosquitoes have been collected by a variety of traps — they are being processed for virus isolation and classification.

The report from Connecticut indicated that encephalitis cases there was confined to one pheasant breeding establishment. This is a farm in central Connecticut where about 3700 birds are being raised. The birds are confined to five different pens. Late in September 1961, illness became apparent in one pen containing about 700 pheasants. There were no sick birds in the other pens. Several birds were submitted to the University of Connecticut where they were found to be positive for Eastern Equine Encephalitis. Isolations were confirmed by Yale University. Attempts were made to collect mosquitoes in the areas of this pheasant farm but mosquitoes had become scarce by the time the outbreak was reported. As far as was known there has been no illness resembling Eastern Equine Encephalitis among horses or humans in the State. (Reported by James E. Scatterday, D.V.M., M.P.H., Di-

rector, Division of Veterinary Public Health, Florida State Board of Health, and James C. Hart, M.D., Director, Division of Preventable Diseases, Connecticut State Department of Health).

T. cruzi Isolated From Opossums and Kissing Bugs — Alabama

Trypanosoma cruzi, the etiologic agent of Chagas' disease, have been isolated from native opossums collected in Lee and Barbour Counties in Alabama. Infected kissing bugs, *Triatoma sanguisuga*, have also been recovered from animal dens in the Barbour County area. It is believed that this isolation represents the first recovery of the organism from Alabama mammals and the first collection of infected bugs from East of the Mississippi River. Studies are now proceeding at Auburn University concerning the virulence of these strains for laboratory and native mammals.

Editor's note: Animals infected with *Trypanosoma cruzi* have been found in Arizona, California, New Mexico, Texas, Louisiana, Georgia, Florida, and Maryland. The heaviest infections have been found in wood rats, opossums, skunks, and armadillos. Infected *Triatoma* have been found in Arizona, California, New Mexico and Texas. Only two incidents of indigenous human infection have been etiologically diagnosed. Both of these cases occurred in South Texas. More recently antibody studies carried out on a group of 500 indigents in the vicinity of Corpus Christi, Texas have revealed that 9 out of the 500 individuals tested had significant elevations of complement fixing antibody to *T. cruzi*.

Children, especially infants under two years of age, are particularly susceptible to the disease. The disease is transmitted from infected mammals to kissing bugs and then to man. The acute stage lasting several weeks may be characterized by any of the following: fever, malaise, irritability, edema of face, eyelids or legs, enlargement of spleen and liver, myocardial damage, or encephalitis. Other early signs are inflammation and swelling of the lachrymal glands, conjunctivitis, local reaction at the site of a bite, and regional lymphadenopathy. Many infected persons, especially adults, have few or no clinical manifestations.

It is not unlikely that in rural areas of the South and Southwest, some of the non-specific illnesses, conjunctivitis, idiopathic myocarditis and encephalitis may be caused by *T. cruzi* infection.

(Reported by W. H. Y. Smith, M.D., Director, Bureau of Preventable Diseases, Alabama Department of Public Health, and Kirby L. Hays, Associate Professor of Zoology, Auburn University School of Agriculture).

(Continued on page 8)

Morbidity and Mortality Weekly Report

3

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 12, 1960 AND NOVEMBER 11, 1961

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Menin- gitis, aseptic	Brucel- losis (undul- lant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	45th Week		Cumulative, first 45 weeks		45th Week		Cumulative, first 45 weeks					
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960		
UNITED STATES-----	29	76	1,195	2,962	22	56	772	2,053	5	14	73	13
NEW ENGLAND-----	2	7	33	225	2	6	23	177	-	1	2	-
Maine-----	-	3	4	46	-	3	4	45	-	-	-	-
New Hampshire-----	-	-	2	-	-	-	-	-	-	-	-	-
Vermont-----	2	2	8	11	2	2	7	6	-	-	-	-
Massachusetts-----	-	2	13	31	-	1	8	20	-	1	1	-
Rhode Island-----	-	-	1	102	-	-	1	78	-	-	1	-
Connecticut-----	-	-	5	35	-	-	3	28	-	-	-	-
MIDDLE ATLANTIC-----	7	12	318	441	4	9	213	311	2	2	1	-
New York-----	7	5	232	241	4	3	150	156	2	1	1	-
New Jersey-----	-	2	35	82	-	1	28	60	-	1	-	-
Pennsylvania-----	-	5	51	118	-	5	35	95	-	-	-	-
EAST NORTH CENTRAL-----	10	12	158	503	8	9	98	305	1	2	28	3
Ohio-----	2	4	45	116	2	3	21	60	-	1	2	-
Indiana-----	1	7	18	125	-	5	10	93	1	1	-	-
Illinois-----	1	1	33	138	1	1	16	91	-	-	20	3
Michigan-----	3	-	30	89	3	-	26	50	-	-	3	-
Wisconsin-----	3	-	32	35	2	-	25	11	-	-	3	-
WEST NORTH CENTRAL-----	3	4	72	171	2	3	32	101	1	1	10	7
Minnesota-----	-	-	6	53	-	-	6	44	-	-	6	1
Iowa-----	-	-	18	21	-	-	9	4	-	-	-	2
Missouri-----	1	2	24	43	1	2	7	32	-	-	-	-
North Dakota-----	-	-	4	14	-	-	1	5	-	-	-	-
South Dakota-----	2	1	3	5	1	-	1	1	1	1	-	-
Nebraska-----	-	1	8	16	-	1	4	9	-	-	-	2
Kansas-----	-	-	9	19	-	-	4	6	-	-	4	2
SOUTH ATLANTIC-----	2	23	204	553	2	19	147	438	-	4	4	-
Delaware-----	-	-	2	-	-	-	1	-	-	-	-	-
Maryland-----	-	3	39	144	-	3	29	130	-	-	-	-
District of Columbia-----	-	-	3	5	-	-	3	5	-	-	-	-
Virginia-----	-	5	10	42	-	5	10	39	-	-	2	-
West Virginia-----	-	2	31	57	-	1	21	46	-	1	-	-
North Carolina-----	-	7	21	89	-	5	11	67	-	2	-	-
South Carolina-----	-	1	33	127	-	1	25	85	-	-	-	-
Georgia-----	-	3	30	23	-	3	23	21	-	-	-	-
Florida-----	2	2	35	66	2	1	24	45	-	1	2	-
EAST SOUTH CENTRAL-----	1	4	80	235	1	1	47	94	-	-	6	-
Kentucky-----	-	2	27	130	-	-	5	5	-	-	-	-
Tennessee-----	-	1	19	45	-	-	9	29	-	-	-	-
Alabama-----	1	-	11	21	1	-	11	21	-	-	6	-
Mississippi-----	-	1	23	39	-	1	22	39	-	-	-	-
WEST SOUTH CENTRAL-----	2	8	145	271	2	6	79	170	-	2	5	2
Arkansas-----	1	1	20	31	1	1	9	23	-	-	2	-
Louisiana-----	1	-	51	48	1	-	40	29	-	-	-	-
Oklahoma-----	-	-	4	17	-	-	-	12	-	-	-	-
Texas-----	-	7	70	175	-	5	30	106	-	2	3	2
MOUNTAIN-----	1	3	45	87	1	2	26	46	-	-	2	-
Montana-----	-	-	4	21	-	-	2	15	-	-	-	-
Idaho-----	-	-	14	9	-	-	6	1	-	-	-	-
Wyoming-----	-	-	-	19	-	-	-	1	-	-	-	-
Colorado-----	1	-	8	19	1	-	8	18	-	-	-	-
New Mexico-----	-	2	3	7	-	2	-	4	-	-	2	-
Arizona-----	-	-	8	5	-	-	6	5	-	-	-	-
Utah-----	-	1	8	7	-	-	4	2	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	1	3	140	476	-	1	107	411	1	2	15	1
Washington-----	-	1	25	34	-	1	17	34	-	-	2	-
Oregon-----	-	2	17	36	-	-	8	19	-	2	-	-
California-----	-	-	93	397	-	-	77	349	1	-	13	1
Alaska-----	-	-	-	2	-	-	-	2	-	-	-	-
Hawaii-----	-	-	5	7	-	-	5	7	-	-	-	-
Puerto Rico-----	-	5	7	491	-	5	7	482	-	-	-	-

Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 12, 1960 AND NOVEMBER 11, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles	
	45th Week		Cumulative, first 45 weeks		082		45th Week		Cumulative, first 45 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES-----	13	22	498	648	27	54	1,042	701	64,032	33,748	2,283	1,739
NEW ENGLAND-----	-	-	8	12	-	-	51	15	2,072	974	421	178
Maine-----	-	-	-	2	-	-	8	2	147	63	66	4
New Hampshire-----	-	-	-	-	-	-	8	-	187	27	-	2
Vermont-----	-	-	-	-	-	-	2	2	187	15	7	4
Massachusetts-----	-	-	7	9	-	-	29	7	872	481	317	155
Rhode Island-----	-	-	-	1	-	-	4	1	232	187	1	3
Connecticut-----	-	-	1	-	-	-	2	3	447	201	30	10
MIDDLE ATLANTIC-----	-	-	20	15	6	9	124	78	8,679	4,147	209	290
New York-----	-	-	7	4	6	5	69	29	3,744	2,261	110	153
New Jersey-----	-	-	-	2	-	3	23	6	2,046	290	30	47
Pennsylvania-----	-	-	13	9	-	1	32	43	2,889	1,596	69	90
EAST NORTH CENTRAL-----	-	1	16	41	3	5	206	123	12,752	6,042	374	513
Ohio-----	-	-	1	16	3	1	54	51	4,230	2,073	29	149
Indiana-----	-	1	2	7	-	-	30	24	1,891	688	38	61
Illinois-----	-	-	10	6	-	2	61	21	2,342	1,310	182	35
Michigan-----	-	-	3	10	-	1	58	20	3,971	1,753	58	104
Wisconsin-----	-	-	-	2	-	1	3	7	318	218	67	164
WEST NORTH CENTRAL-----	2	2	46	47	-	5	75	57	6,096	2,352	94	102
Minnesota-----	2	2	30	23	-	-	38	26	1,400	372	35	-
Iowa-----	-	-	2	8	-	-	21	8	1,797	380	49	24
Missouri-----	-	-	1	2	-	-	2	12	1,319	807	2	10
North Dakota-----	-	-	4	2	-	3	1	2	130	165	-	68
South Dakota-----	-	-	7	9	-	-	1	-	189	141	3	-
Nebraska-----	-	-	2	1	-	-	7	3	604	240	5	-
Kansas-----	-	-	-	2	-	2	5	6	657	247	NN	NN
SOUTH ATLANTIC-----	1	5	120	202	-	6	183	78	8,114	3,905	131	125
Delaware-----	-	-	-	-	-	-	-	15	176	243	-	7
Maryland-----	-	-	1	1	-	1	12	7	707	385	21	7
District of Columbia-----	-	-	3	-	-	-	-	4	121	53	3	-
Virginia-----	-	1	15	36	-	-	41	14	1,336	703	32	55
West Virginia-----	-	-	1	4	-	-	19	13	1,428	730	53	39
North Carolina-----	-	1	12	14	-	2	51	7	1,861	357	11	2
South Carolina-----	-	1	10	47	-	-	16	9	437	143	3	1
Georgia-----	-	-	36	34	-	-	17	2	711	253	-	2
Florida-----	1	2	42	66	-	3	27	7	1,337	1,038	8	12
EAST SOUTH CENTRAL-----	-	7	38	80	1	25	156	99	9,603	4,785	216	116
Kentucky-----	-	3	9	16	1	25	30	37	2,801	1,698	15	68
Tennessee-----	-	-	3	7	-	-	69	30	3,756	1,590	157	39
Alabama-----	-	4	19	32	-	-	23	15	1,650	1,042	27	9
Mississippi-----	-	-	7	25	-	-	34	17	1,396	455	17	-
WEST SOUTH CENTRAL-----	10	7	230	214	3	-	54	41	4,635	2,613	158	156
Arkansas-----	-	-	4	16	1	-	14	13	905	183	3	41
Louisiana-----	2	1	28	56	-	-	7	1	504	153	-	-
Oklahoma-----	-	5	9	24	-	-	1	2	313	309	-	-
Texas-----	8	1	189	118	2	-	32	25	2,913	1,968	155	115
MOUNTAIN-----	-	-	12	36	2	-	43	57	3,744	2,630	167	109
Montana-----	-	-	2	3	-	-	4	4	320	134	115	13
Idaho-----	-	-	-	11	-	-	-	2	277	287	10	19
Wyoming-----	-	-	-	5	-	-	4	-	154	29	-	-
Colorado-----	-	-	4	3	-	-	11	17	1,256	961	12	29
New Mexico-----	-	-	5	4	1	-	9	5	417	294	NN	-
Arizona-----	-	-	-	3	-	-	8	8	603	578	26	40
Utah-----	-	-	7	1	-	-	4	16	587	251	2	2
Nevada-----	-	-	1	-	-	-	3	5	130	96	2	6
PACIFIC-----	-	-	8	1	12	4	150	153	8,337	6,300	513	150
Washington-----	-	-	2	-	2	1	18	29	956	810	228	44
Oregon-----	-	-	-	-	-	-	32	18	1,315	1,001	45	56
California-----	-	-	2	-	9	3	92	106	5,613	4,194	159	50
Alaska-----	-	-	4	1	1	-	8	-	391	217	74	-
Hawaii-----	-	-	-	-	-	-	-	-	62	78	7	-
Puerto Rico-----	4	-	57	122	-	-	14	2	878	661	17	16

Morbidity and Mortality Weekly Report

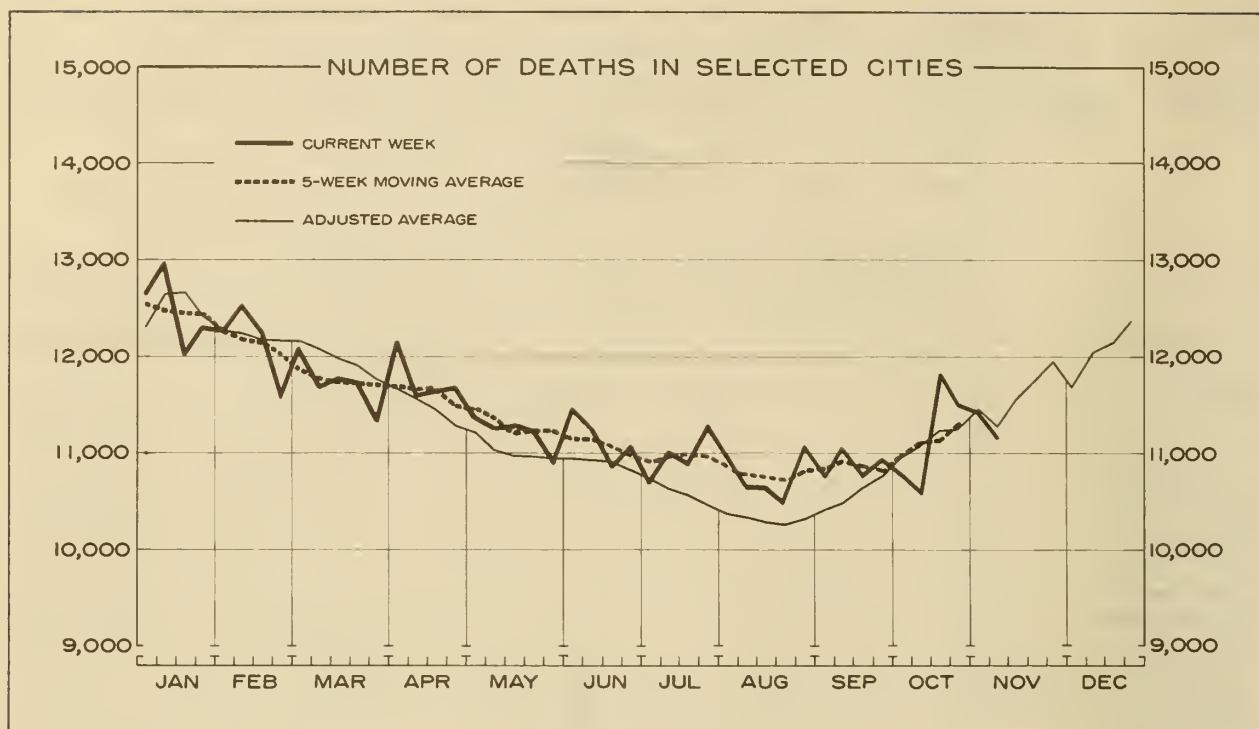
5

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 12, 1960 AND NOVEMBER 11, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria	Meningococcal infections		Psittacosis	Streptococcal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117	057		096.2	050,051	45th Week		Cumulative, first 45 weeks		101		
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES-----	4	29	36	2	5,525	10	12	716	734	-	58	46
NEW ENGLAND-----	-	3	2	-	184	-	-	20	11	-	-	-
Maine-----	-	-	-	-	3	-	-	1	2	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	1	-	-	6	-	-	-	-	-	-	-
Massachusetts-----	-	-	1	-	59	-	-	14	5	-	-	-
Rhode Island-----	-	-	-	-	30	-	-	2	-	-	-	-
Connecticut-----	-	2	1	-	86	-	-	3	4	-	-	-
MIDDLE ATLANTIC-----	-	9	9	1	203	1	-	88	52	-	4	8
New York-----	-	4	1	-	125	1	-	47	32	-	4	8
New Jersey-----	-	2	5	-	31	-	-	17	6	-	-	-
Pennsylvania-----	-	3	3	1	47	-	-	24	14	-	-	-
EAST NORTH CENTRAL-----	-	5	7	-	401	2	-	91	93	-	5	3
Ohio-----	-	1	4	-	74	1	-	33	26	-	1	-
Indiana-----	-	-	-	-	77	-	-	20	24	-	3	2
Illinois-----	-	2	1	-	89	1	-	29	21	-	1	1
Michigan-----	-	-	1	-	73	-	-	6	15	-	-	-
Wisconsin-----	-	2	1	-	88	-	-	3	7	-	-	-
WEST NORTH CENTRAL-----	-	3	1	-	161	-	1	34	45	-	18	10
Minnesota-----	-	-	1	-	13	-	-	5	1	-	3	1
Iowa-----	-	1	-	-	41	-	-	2	11	-	9	5
Missouri-----	-	1	-	-	4	-	1	20	24	-	3	3
North Dakota-----	-	-	-	-	26	-	-	-	1	-	-	1
South Dakota-----	-	-	-	-	-	-	-	3	3	-	2	-
Nebraska-----	-	-	-	-	2	-	-	1	3	-	1	-
Kansas-----	-	1	-	-	75	-	-	3	2	-	-	-
SOUTH ATLANTIC-----	3	3	5	-	429	4	3	116	111	-	6	5
Delaware-----	-	-	-	-	2	-	-	1	1	-	-	-
Maryland-----	3	1	1	-	4	-	-	3	5	-	-	-
District of Columbia-----	-	-	-	-	-	1	-	12	8	-	-	-
Virginia-----	-	-	1	-	68	-	1	19	24	-	2	3
West Virginia-----	-	-	-	-	104	-	1	10	12	-	1	2
North Carolina-----	-	1	1	-	23	-	-	14	9	-	-	-
South Carolina-----	-	-	1	-	24	-	-	8	12	-	-	-
Georgia-----	-	-	1	-	2	-	1	34	27	-	-	-
Florida-----	-	1	-	-	202	3	-	15	13	-	3	-
EAST SOUTH CENTRAL-----	-	2	4	-	1,041	-	5	77	111	-	4	7
Kentucky-----	-	-	1	-	41	-	4	18	28	-	2	3
Tennessee-----	-	1	2	-	957	-	-	47	55	-	2	1
Alabama-----	-	1	1	-	15	-	1	10	22	-	-	3
Mississippi-----	-	-	-	-	28	-	-	2	6	-	-	-
WEST SOUTH CENTRAL-----	-	2	4	-	763	-	2	150	199	-	16	11
Arkansas-----	-	1	2	-	3	-	-	29	50	-	6	4
Louisiana-----	-	-	1	-	3	-	1	25	59	-	1	-
Oklahoma-----	-	-	-	-	2	-	-	12	12	-	-	-
Texas-----	-	1	1	-	755	-	1	84	78	-	9	7
MOUNTAIN-----	-	-	-	-	1,001	2	1	62	45	-	1	-
Montana-----	-	-	-	-	63	-	-	18	13	-	-	-
Idaho-----	-	-	-	-	65	-	-	1	3	-	-	-
Wyoming-----	-	-	-	-	102	-	-	3	4	-	-	-
Colorado-----	-	-	-	-	326	-	-	7	1	-	-	-
New Mexico-----	-	-	-	-	285	1	-	17	12	-	1	-
Arizona-----	-	-	-	-	140	1	1	10	10	-	-	-
Utah-----	-	-	-	-	17	-	-	2	2	-	-	-
Nevada-----	-	-	-	-	3	-	-	4	-	-	-	-
PACIFIC-----	1	2	4	1	1,342	1	-	78	67	-	4	2
Washington-----	-	-	-	1	455	-	-	7	5	-	-	-
Oregon-----	-	-	-	-	29	-	-	1	8	-	-	-
California-----	1	2	3	-	713	1	-	68	53	-	4	2
Alaska-----	-	-	-	-	78	-	-	-	1	-	-	-
Hawaii-----	-	-	1	-	67	-	-	2	-	-	-	-
Puerto Rico-----	-	1	-	-	-	-	-	20	19	-	-	-

Morbidity and Mortality Weekly Report



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates re-

ceived during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	45th week ended Nov. 11, 1961	44th week ended Nov. 4, 1961	Adjusted average, 45th week 1956-60	Percent change, adjusted average to current week	Cumulative, first 45 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES-----	11,158	11,418	11,281	-1.1	513,540	515,165	-0.3
New England----- (14 cities)	768	728	673	+14.1	31,634	32,421	-2.4
Middle Atlantic----- (20 cities)	2,972*	3,201	3,056	-2.7	145,856	143,236	+1.8
East North Central----- (21 cities)	2,453	2,435	2,417	+1.5	109,781	111,512	-1.6
West North Central----- (9 cities)	789	839	833	-5.3	35,076	35,815	-2.1
South Atlantic----- (11 cities)	956*	962	953	+0.3	44,412	44,207	+0.5
East South Central----- (8 cities)	512	490	512	0.0	23,184	23,257	-0.3
West South Central----- (13 cities)	874	1,001	1,038	-15.8	43,885	44,854	-2.2
Mountain----- (8 cities)	341	379	348	-2.0	16,417	16,153	+1.6
Pacific----- (13 cities)	1,493	1,383	1,451	+2.9	63,295	63,710	-0.7

*Includes estimate for missing reports.

Morbidity and Mortality Weekly Report

7

Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	45th week ended Nov. 11, 1961	44th week ended Nov. 4, 1961	Cumulative, first 45 weeks		Area	45th week ended Nov. 11, 1961	44th week ended Nov. 4, 1961	Cumulative, first 45 weeks	
			1961	1960				1961	1960
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	264	242	10,860	11,320	St. Louis, Mo.-----	223	287	10,604	10,934
Bridgeport, Conn.-----	60	42	1,738	1,834	St. Paul, Minn.-----	61	69	2,946	3,101
Cambridge, Mass.-----	25	35	1,314	1,385	Wichita, Kans.-----	57	32	2,086	2,073
Fall River, Mass.-----	32	36	1,238	1,269	SOUTH ATLANTIC:				
Hartford, Conn.-----	69	46	2,189	2,191	Atlanta, Ga.-----	118	100	5,106	5,267
Lowell, Mass.-----	46	22	1,112	1,071	Baltimore, Md.-----	249	240	11,022	11,273
Lynn, Mass.-----	23	20	976	1,086	Charlotte, N.C.-----	48	36	1,638	1,748
New Bedford, Mass.-----	27	24	1,163	1,092	Jacksonville, Fla.-----	50	56	2,591	2,642
New Haven, Conn.-----	29	42	2,034	1,993	Miami, Fla.-----	60	81	3,379	3,218
Providence, R.I.-----	65	69	2,791	2,885	Norfolk, Va.-----	64	40	2,235	1,794
Somerville, Mass.-----	7	18	587	587	Richmond, Va.-----	74	69	3,471	3,483
Springfield, Mass.-----	38	51	1,982	2,044	Savannah, Ga.-----	33	39	1,467	1,507
Waterbury, Conn.-----	25	22	1,189	1,235	St. Petersburg, Fla.-----	(67)	(61)	(3,018)	(3,147)
Worcester, Mass.-----	58	59	2,461	2,429	Tampa, Fla.-----	38	55	2,923	2,932
MIDDLE ATLANTIC:					Washington, D.C.-----	186	208	8,802	8,649
Albany, N.Y.-----	57	53	2,076	1,935	Wilmington, Del.-----	36*	38	1,778	1,694
Allentown, Pa.-----	32	30	1,537	1,557	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	141	132	6,517	6,450	Birmingham, Ala.-----	81	75	3,829	3,787
Camden, N.J.-----	43	35	1,894	1,897	Chattanooga, Tenn.-----	46	54	2,104	2,114
Elizabeth, N.J.-----	26	35	1,334	1,314	Knoxville, Tenn.-----	43	23	1,241	1,259
Erie, Pa.-----	32	52	1,749	1,729	Louisville, Ky.-----	128	101	5,078	5,106
Jersey City, N.J.-----	49	51	3,080	3,189	Memphis, Tenn.-----	84	104	5,044	4,941
Newark, N.J.-----	86	100	4,547	4,341	Mobile, Ala.-----	35	37	1,806	1,839
New York City, N.Y.-----	1,586	1,614	74,505	73,235	Montgomery, Ala.-----	33	43	1,448	1,541
Paterson, N.J.-----	36	40	1,744	1,705	Nashville, Tenn.-----	62	53	2,634	2,670
Philadelphia, Pa.-----	406	502	22,664	21,835	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	90	228	8,518	8,557	Austin, Tex.-----	33	27	1,519	1,510
Reading, Pa.-----	20	28	1,050	1,069	Baton Rouge, La.-----	31	30	1,267	1,276
Rochester, N.Y.-----	110	113	4,552	4,492	Corpus Christi, Tex.-----	30	19	987	1,051
Schenectady, N.Y.-----	22	27	1,087	1,049	Dallas, Tex.-----	98	146	5,586	5,589
Scranton, Pa.-----	36*	28	1,584	1,680	El Paso, Tex.-----	25	36	1,566	1,699
Syracuse, N.Y.-----	74	44	2,745	2,790	Fort Worth, Tex.-----	66	71	2,898	2,980
Trenton, N.J.-----	43	36	2,013	1,835	Houston, Tex.-----	111	191	7,400	7,515
Utica, N.Y.-----	50	18	1,277	1,207	Little Rock, Ark.-----	57	58	2,537	2,554
Yonkers, N.Y.-----	33	35	1,383	1,370	New Orleans, La.-----	140	168	7,528	7,960
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	72	72	3,308	3,364
Akron, Ohio-----	56	62	2,571	2,534	San Antonio, Tex.-----	92	98	4,547	4,470
Canton, Ohio-----	38	33	1,411	1,556	Shreveport, La.-----	64	34	2,272	2,418
Chicago, Ill.-----	751	742	33,228	34,322	Tulsa, Okla.-----	55	51	2,470	2,468
Cincinnati, Ohio-----	153	147	6,997	7,029	MOUNTAIN:				
Cleveland, Ohio-----	198	181	9,093	9,478	Albuquerque, N. Mex.-----	35	36	1,418	1,417
Columbus, Ohio-----	109	105	5,115	5,288	Colorado Springs, Colo.-----	14	22	742	740
Dayton, Ohio-----	66	86	3,580	3,377	Denver, Colo.-----	95	115	5,183	5,361
Detroit, Mich.-----	352	327	14,887	15,215	Ogden, Utah-----	19	25	756	740
Evansville, Ind.-----	28	30	1,619	1,651	Phoenix, Ariz.-----	80	66	3,680	3,403
Flint, Mich.-----	41	47	1,910	1,806	Pueblo, Colo.-----	13	17	757	737
Fort Wayne, Ind.-----	38	45	1,708	1,639	Salt Lake City, Utah-----	45	62	2,161	2,176
Gary, Ind.-----	27	35	1,379	1,382	Tucson, Ariz.-----	40	36	1,720	1,579
Grand Rapids, Mich.-----	51	40	2,028	1,825	PACIFIC:				
Indianapolis, Ind.-----	149	138	6,414	6,506	Berkeley, Calif.-----	9	16	764	752
Madison, Wis.-----	51	42	1,484	1,432	Fresno, Calif.-----	(42)	(50)	(1,944)	(1,977)
Milwaukee, Wis.-----	119	128	5,523	5,575	Glendale, Calif.-----	(33)	(38)	(1,499)	(1,654)
Peoria, Ill.-----	21	35	1,267	1,364	Honolulu, Hawaii-----	43	33	1,808	1,830
Rockford, Ill.-----	27	28	1,272	1,291	Long Beach, Calif.-----	54	59	2,486	2,427
South Bend, Ind.-----	23	23	1,276	1,317	Los Angeles, Calif.-----	536	495	22,398	22,447
Toledo, Ohio-----	100	94	4,420	4,464	Oakland, Calif.-----	117	97	4,374	4,266
Youngstown, Ohio-----	55	67	2,599	2,461	Pasadena, Calif.-----	42	31	1,497	1,544
WEST NORTH CENTRAL:					Portland, Oreg.-----	122	85	4,791	4,867
Des Moines, Iowa-----	43	55	2,413	2,464	Sacramento, Calif.-----	69	63	2,786	2,592
Duluth, Minn.-----	36	23	1,162	1,129	San Diego, Calif.-----	56	90	3,979	4,067
Kansas City, Kans.-----	40	41	1,695	1,576	San Francisco, Calif.-----	201	193	8,727	8,828
Kansas City, Mo.-----	132	136	5,743	5,637	San Jose, Calif.-----	(46)	(32)	(1,574)	(1,550)
Lincoln, Nebr.-----	(33)	(31)	(1,251)	(1,162)	Seattle, Wash.-----	134	143	5,844	6,123
Minneapolis, Minn.-----	135	118	5,318	5,601	Spokane, Wash.-----	61	45	2,125	2,150
Omaha, Nebr.-----	62	78	3,109	3,300	Tacoma, Wash.-----	49	33	1,716	1,817
*Estimate - based on average percentage of divisional total.					San Juan, P. R.-----	(30)	(23)	(1,492)	(1,593)
() Figures shown in parenthesis are from cities which have									

*Estimate - based on average percentage of divisional total.

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

INTERNATIONAL NOTES – QUARANTINE MEASURES

The 1961 edition of the booklet "Immunization Information for International Travel" is available at the Superintendent of Documents, Government Printing Office, Washington 25, D.C. It has 84 pages and is priced at 25¢ a copy with a 25 percent discount on one hundred copies or more delivered to the same address.

The principal additions and changes since the last edition include: 1) The addition of poliomyelitis as one of the immunizations recommended for all international travel; 2) The most recent information on immunization requirements for entrance into countries; 3) Additional yellow fever vaccination centers in the U. S.; 4) The deletion of Arizona, New Mexico, Oklahoma, North Carolina, and part of West Texas from the yellow fever receptive areas of the United States.

Three changes should be made in the 1961 booklet "Immunization Information for International Travel," PHS Publication No. 384:

1. Africa

Congo (Brazzaville), page 23

Smallpox vaccination – 6 months of age and over.

Cholera vaccination – arrivals from infected areas,
1 year of age and over.

All other information remains the same.

2. Oceania

Ryukyu Islands, page 60

(Okinawa)

Cholera vaccination – arrivals from infected areas,
6 months of age

Yellow fever vaccination – arrivals from infected
areas, 6 months of age and over.

All other information remains the same.

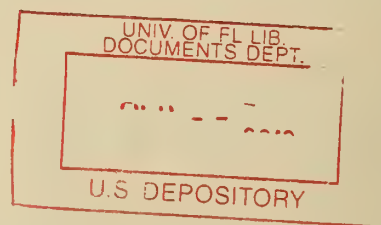
3. Designated Yellow Fever Vaccination Centers

The following name should be added to the list of Yellow Fever Vaccination Centers in Section 6, p. 69:

<u>City</u>	<u>Center</u>	<u>Clinic Hours</u>	<u>Fee</u>
Texas	Amarillo Bi-City-County	2d and 4th	Yes
Amarillo	Health Unit	Wednesday,	
	417 Austin Street	1 – 3 p.m.	
	Tel: DR 2-6562		

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for the States of Alaska and Hawaii. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.



U. S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
Communicable Disease Center
Atlanta 22, Georgia
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